

The Mystery of Who Accidentally Picked the Poisonous Mushroom

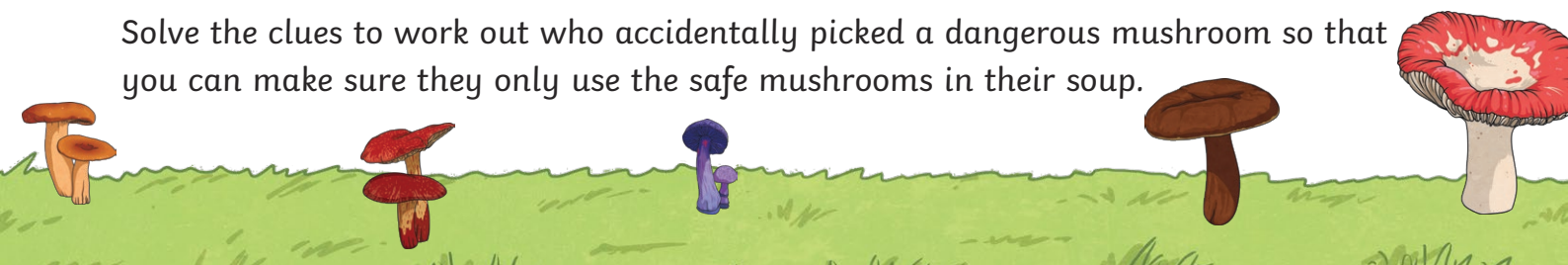


As the days begin to get shorter, you notice that nature is starting to change the outdoor environment around you. The leaves are beginning to change colour and fall from the trees. Many mushrooms of different varieties are starting to grow in the forest at the back of your school and are covering the forest floor.

Your teacher decides that you can use some of these mushrooms to make your own mushroom soup recipes. He spends a long time teaching you all about which mushrooms are safe to eat and which are not, helping you to identify the different species of mushrooms extremely carefully. You learn about the dangers of eating and choosing any poisonous mushrooms for your soup.

After a week of lessons, you are all prepared and spend a few hours in the forest finding and picking the right mushrooms for your soup recipes. As you head back into school, you spot a few poisonous mushrooms by the gate and to your horror, you realise that one has been picked! You are very concerned that one of your classmates has accidentally picked a poisonous mushroom and may end up eating it in their soup.

Solve the clues to work out who accidentally picked a dangerous mushroom so that you can make sure they only use the safe mushrooms in their soup.



This resource is provided for informational and educational purposes only and you choose to follow this guide at your own risk. Adult supervision and discretion are necessary while growing and ingesting mushrooms. Twinkl bears no responsibility for any undesired effects of ingesting any fungi.

Child	Forest Footwear	Absent from school during the week?	Main Herb in Recipe	Have they made soup before?	Number of Mushrooms Collected
Seth	wellies	no	rosemary	yes	21
Anna Maria	sandals	no	sage	yes	38
Petra	wellies	no	sage	yes	17
Shahaab	trainers	no	oregano	no	27
Ling	wellies	yes	oregano	no	31
Isa	trainers	no	rosemary	yes	22
Rowan	wellies	no	sage	yes	42
Justice	trainers	no	sage	yes	31
Nell	wellies	no	sage	yes	29
Mei	trainers	no	thyme	no	32
Janek	wellies	no	rosemary	yes	14
Archie	trainers	yes	oregano	yes	26
Zuri	wellies	no	oregano	no	27
Kennedy	wellies	no	sage	yes	36
Finn	sandals	no	thyme	yes	8
Osam	wellies	yes	oregano	no	23
Bethy	trainers	no	rosemary	yes	34
Joey	trainers	no	sage	yes	45
Lucas	wellies	no	sage	yes	26
Gustav	trainers	no	rosemary	yes	39
Pearl	wellies	no	thyme	no	19
Hua	wellies	no	sage	no	7
Kelsey	trainers	no	oregano	yes	41
Hamza	wellies	yes	sage	yes	35
Sunny	sandals	no	rosemary	no	28

Clue 1: Numbers up to 10 000 000 Maze

Starting from the top left-hand corner of the maze, find a path through the maze by identifying the missing numbers that are even. If the missing number is odd, you have to find another path.

You can only move horizontally or vertically, not diagonally.

Solve the clue to reveal what type of forest footwear the person who accidentally picked a poisonous mushroom was wearing.



START	$1\ 420\ 058 = 1\ 000\ 000 + 420\ 000 + \underline{\hspace{2cm}}$	$\underline{\hspace{2cm}} = 6\ 000\ 000 + 391\ 000 + 520$
$\underline{\hspace{2cm}} = 5\ 000\ 000 + 35\ 031 + 516$	$\underline{\hspace{2cm}} = 2\ 000\ 000 + 482\ 111 + 401$	$\underline{\hspace{2cm}} = 9\ 000\ 000 + 157\ 002 + 603$
$8\ 053\ 418 = 8\ 000\ 000 + 53\ 005 + \underline{\hspace{2cm}}$	$\underline{\hspace{2cm}} = 3\ 060\ 000 + 903\ 000 + 770$	$4\ 508\ 542 = 4\ 000\ 000 + 508\ 000 + \underline{\hspace{2cm}}$
$1\ 490\ 608 = 1\ 000\ 000 + 490\ 000 + \underline{\hspace{2cm}}$	$7\ 035\ 511 = \underline{\hspace{2cm}} + 35\ 000 + 499$	$1\ 485\ 505 = 1\ 000\ 000 + \underline{\hspace{2cm}} + 504$
$5\ 943\ 451 = \underline{\hspace{2cm}} + 943\ 000 + 343$	$\underline{\hspace{2cm}} = 4\ 000\ 000 + 632\ 000 + 901$	$6\ 920\ 807 = 6\ 000\ 000 + 920\ 101 + \underline{\hspace{2cm}}$
wellies	trainers	sandals

Clue 1: The child who accidentally picked a poisonous mushroom wore _____ in the forest.

Clue 2: Rounding Puzzle



Match the correct number to each child by reading their clues.

Match Zuri's number to a herb in the grid to reveal the main herb used in the recipe of the child who accidentally picked a poisonous mushroom.

6 281 540

6 231 444

6 231 545

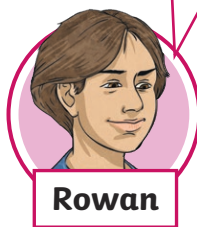
6 231 455

When rounded to the nearest 10, my number is 6 231 550.



Lucas

When rounded to the nearest 10 000, my number is 6 280 000.



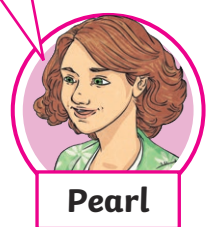
Rowan

When rounded to the nearest 1000, my number is 6 231 000.



Zuri

When rounded to the nearest 100, my number is 6 231 500.



Pearl

6 231 545
rosemary

6 231 444
sage

6 231 455
thyme

6 281 540
oregano



Clue 2: The child who accidentally picked a poisonous mushroom, is using _____ as the main herb in their soup recipe.

Clue 3: Digit Detective

Use the digits cards and clues in each set to identify two 7-digit numbers. Then, find the difference between them.

If the difference between the numbers is less than 1 000 000, the child who accidentally picked a poisonous mushroom has made soup before.

If the difference between the numbers is greater than 1 000 000, the child who accidentally picked a poisonous mushroom has not made soup before.



Set 1

0

7

1

5

3

6

6

The number lies between 7 000 000 and 8 000 000.

The digits in the hundreds, tens and ones columns are all odd and are arranged in descending order.

There is a digit 6 in the hundred thousands column.

There is not a zero place holder in the thousands column.

Set 2

9

4

2

1

8

3

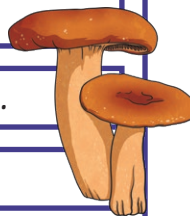
0

There is a zero place holder in the hundreds column.

The digit in the thousands column equals the sum of the digits in the tens column and the ones column.

When rounded to the nearest hundred thousand, this number is 8 500 000.

The number is odd.



Clue 3: The child who accidentally picked a poisonous mushroom _____ made soup before.

Clue 4: True or False?

Decide whether each of these statements is true or false.

If there are more true statements, the child who accidentally picked a poisonous mushroom **was not** absent from school during the week.

If there are more false statements, the child who accidentally picked a poisonous mushroom **was** absent from school during the week.



Statement							True or False?	
10 hundred thousands + 80 hundreds + 20 ones = 1 008 020								
If you add 7 hundreds to this number, the answer is 5 213 263.								
Millions	Thousands			Ones				
O	H	T	O	H	T	O		
●● ● ●●	●●	●	●● ●	●● ● ●●	●● ●● ●●	●● ●		
Adding or subtracting a multiple of 10 000 (that is less than 100 000) always changes the digit in the ten thousands column.								
80 thousands < 800 tens								
If you subtract 30 thousands from this number, the answer is 3 585 705.								
1 000 000	1 000 000	1 000 000	100 000	100 000	100 000	100 000	100 000	100 000
10 000	1000	1000	1000	1000	1000	100	100	100
100	100	100	100	1	1	1	1	1

Clue 4: The child who accidentally picked a poisonous mushroom _____ absent from school during the week.

Clue 5: Negative Numbers

Calculate the answer to each of these real-life negative number problems. Then, tick the temperature range that each answer falls in.

The range that is the most popular will reveal the range of the number of mushrooms picked by the child who accidentally picked a poisonous mushroom.

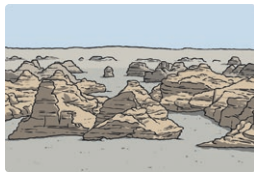


1) Some friends in Norway decide to go in the sauna. They heat it up from -4°C using the fire and coals. By the end of the night, the sauna temperature is 42°C . By how many degrees has the temperature increased?



2) Some ice cream came out of the freezer at -18°C . It started to melt when the air temperature warmed it up to 1°C . How many degrees had it warmed up by when it started to melt?

3) On January 10th, the night temperature in the Gobi desert is -33°C . On March 10th, the daytime temperature is -2°C . What is the difference between these two temperatures?



4) The spring temperatures in Canada change dramatically. The hottest spring day was May 28th at 30°C and the coldest spring day was April 24th at -2°C . What is the difference in temperature?



0°C to 10°C	10°C to 20°C	20°C to 30°C	30°C to 40°C	40°C to 50°C
0 to 10 mushrooms	10 to 20 mushrooms	20 to 30 mushrooms	30 to 40 mushrooms	40 to 50 mushrooms

Clue 4: The child who accidentally picked a poisonous mushroom collected between _____ mushrooms.



The child who accidentally picked a poisonous mushroom is _____.